

**Table S1** Baseline characteristics of the patients with traumatic brain injury ( $\leq 24$  h after admission)

<b>Variables</b>	<b>Total (n = 3,655)</b>	<b>Survivors (n = 3,208)</b>	<b>Non-survivors (n = 447)</b>	<b>p value</b>
Age, Years	62.7 $\pm$ 21.2	62.1 $\pm$ 21.3	67.4 $\pm$ 20.4	< 0.001***
Male, n (%)	2202 (60.2)	1914 (59.7)	288 (64.4)	0.054
First-day GCS, n (%)				< 0.001***
3-8	889 (24.3)	606 (18.9)	283 (63.3)	
9-15	2766 (75.7)	2602 (81.1)	164 (36.7)	
Neurosurgical Operations, n (%)				0.021*
Yes	494 (13.5)	418 (13.0)	76 (17.0)	
No	3161 (86.5)	2790 (87.0)	371 (83.0)	
Comorbidities, n (%)				
ASHD				0.339
Yes	212 (5.8)	218 (6.8)	25 (5.6)	
No	2008 (94.2)	2990 (93.2)	422 (94.4)	
COPD				0.931
Yes	59 (1.6)	52 (1.6)	7 (1.6)	
No	3596 (98.4)	3156 (98.4)	440 (98.6)	
HBP				0.648
Yes	418 (11.4)	364 (11.3)	54 (12.1)	
No	3237 (88.6)	2844 (88.7)	393 (87.9)	
Stroke				0.004**
Yes	153 (4.2)	123 (3.8)	30 (7.4)	
No	3502 (95.8)	3085 (96.2)	417 (92.6)	
Hematopathy/Coagulopathy				<0.001***
Yes	175 (4.8)	136 (4.2)	39 (8.7)	
No	3480 (95.2)	3072 (95.8)	408 (91.3)	
CNS infection				0.638
Yes	12 (0.3)	10 (0.3)	2 (0.4)	

No	3643 (99.7)	3198 (99.7)	445 (99.6)	
Pneumonia				<0.001***
Yes	304 (8.3)	244 (7.6)	60 (13.4)	
No	3351 (91.7)	2964 (92.4)	387 (86.6)	
Laboratory tests				
RDW, %	14.16 ± 1.72	14.09 ± 1.68	14.65 ± 1.88	< 0.001***
Plt count, 10 <sup>9</sup> /L	209.50 ± 80.16	211.66 ± 77.33	194.01 ± 96.80	< 0.001***
RPR (L/10 <sup>9</sup> )	0.079 ± 0.040	0.077 ± 0.039	0.092 ± 0.049	< 0.001***

\*\*\*p < 0.001, \*\*p < 0.01, \*p < 0.05

Abbreviations: *ASHD* arteriosclerotic heart disease; *CNS* central nervous system; *COPD* chronic obstructive pulmonary disease; *GCS* Glasgow Coma Scale; *HBP* high blood pressure; *Plt* platelet; *RDW* red cell distribution width; *RPR* RDW to Plt count ratio